

**OIPE**

DATE: 08/14/2001  
TIME: 12:17:16

#11

p. 5

51. <http://www.cfr.gov/4.1-14V-1475158.htm>

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/475,158

DATE: 08/14/2001

TIME: 12:17:16

Input Set : A:\0609 4780001 seq list.txt

Output Set: N:\CRF3\08142001\I475158.raw

```

74 <210> SEQ ID NO: 5
75 <211> LENGTH: 31
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence ✓
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
81     sequence
83 <400> SEQUENCE: 5
84 Ala Val Ser Glu Ile Gly Gly Gly Gly Gly Gly Gly Gly Gly Leu Asn
85   1             5             10             15
87 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
88   20             25             30
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 31
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence ✓
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
98     sequence
100 <400> SEQUENCE: 6
101 Ala Val Ser Glu Ile Gln Leu Met His Gly Gly Gly Gly Gly Gly Gly
102   1             5             10             15
104 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
105   20             25             30
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 9
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 7
114 Ala Val Ser Glu His Gln Leu Leu His
115   1             5
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 17
120 <212> TYPE: PRT
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 8
124 Ile Gln Asp Leu Arg Arg Phe Phe Leu His His Leu Ile Ala Glu
125   1             5             10             15
127 Ile
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 31
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence ✓
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
138     sequence
140 <400> SEQUENCE: 9
141 Ala Val Ser Glu Ile Gln Leu Met His Gly Gly Gly Gly Gly Leu Asn
142   1             5             10             15

```

## RAW SEQUENCE LISTING

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```

144 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
145          20          25          30
148 <210> SEQ ID NO: 10
149 <211> LENGTH: 5
150 <212> TYPE: PRT
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 10
154 Ala Val Ser Glu His
155 1          5
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 31
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence ✓
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
165 sequence
167 <400> SEQUENCE: 11
168 Ala Val Ser Glu Ile Gln Leu Met His Gly Gly Gly Gly Gly Gly Gly
169 1          5          10          15
171 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
172          20          25          30
175 <210> SEQ ID NO: 12
176 <211> LENGTH: 15
177 <212> TYPE: PRT
178 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 12
181 Asp Leu Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile
182 1          5          10          15
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 31
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence ✓
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
192 sequence
194 <400> SEQUENCE: 13
195 Ala Val Ser Glu Ile Gly Gly Gly Gly Gly Gly Gly Gly Gly Leu Asn
196 1          5          10          15
198 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
199          20          25          30
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 93
204 <212> TYPE: RNA
205 <213> ORGANISM: Artificial Sequence ✓
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
209 sequence
211 <400> SEQUENCE: 14
212 gcuguuuccg aaauccagcu gaugcacggu ggugguggug gucugaacuc cauggaacgu 60

```

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Input Set : A:\0609 4780001 seq list.txt

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```

213 guugaauggc ugcguaaaaa acugcaggac guu 93
216 <210> SEQ ID NO: 15
217 <211> LENGTH: 93
218 <212> TYPE: RNA
219 <213> ORGANISM: Artificial Sequence ✓
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
223     sequence
225 <400> SEQUENCE: 15
226 gcuguuuccg aaauccagcu gaugcacggu ggugguggug guggugguuc cauggaacgu 60
227 guugaauggc ugcguaaaaa acugcaggac guu 93
230 <210> SEQ ID NO: 16
231 <211> LENGTH: 93
232 <212> TYPE: RNA
233 <213> ORGANISM: Artificial Sequence ✓
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: modified PTH ✓
237     sequence
239 <400> SEQUENCE: 16
240 gcuguuuccg aaauccgugg uggugguggu ggugguggug gucugaacuc cauggaacgu 60
241 guugaauggc ugcguaaaaa acugcaggac guu 93
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 34
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 17
250 Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
251   1           5           10           15
253 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
254           20           25           30
256 Asn Phe
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 34
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 18
266 Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
267   1           5           10           15
269 Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
270           20           25           30
272 Thr Ala
276 <210> SEQ ID NO: 19
277 <211> LENGTH: 37
278 <212> TYPE: PRT
279 <213> ORGANISM: Homo sapiens
281 <400> SEQUENCE: 19
282 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
283   1           5           10           15
285 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys

```

## RAW SEQUENCE LISTING

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Input Set : A:\0609 4780001 seq list.txt

Output Set: N:\CRF3\08142001\I475158.raw

```

286          20          25          30
288 Gln Arg Val Asn Lys
289          35
292 <210> SEQ ID NO: 20
293 <211> LENGTH: 28
294 <212> TYPE: PRT
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 20
298 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
299 1          5          10          15
301 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
302          20          25
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 29
307 <212> TYPE: PRT
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 21
311 Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
312 1          5          10          15
314 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
315          20          25
318 <210> SEQ ID NO: 22
319 <211> LENGTH: 27
320 <212> TYPE: PRT
321 <213> ORGANISM: Homo sapiens
324 <400> SEQUENCE: 22
325 His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Lys Leu Leu Gly Gln
326 1          5          10          15
328 Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Met
329          20          25
332 <210> SEQ ID NO: 23
333 <211> LENGTH: 31
334 <212> TYPE: PRT
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 23
338 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
339 1          5          10          15
341 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
342          20          25          30
345 <210> SEQ ID NO: 24
346 <211> LENGTH: 29
347 <212> TYPE: PRT
348 <213> ORGANISM: Homo sapiens
350 <400> SEQUENCE: 24
351 His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
352 1          5          10          15
354 Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
355          20          25
358 <210> SEQ ID NO: 25

```

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/475,158

DATE: 08/14/2001

TIME: 12:17:18

Input Set : A:\0609 4780001 seq list.txt  
Output Set: N:\CRF3\08142001\I475158.raw

L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43